

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:	Matthew P. Dugas	
Application No.:	Unknown	
Filing Date:	Herewith	Examiner: Unknown
Title:	Method of Making a Patterned Magnetic Recording Head	Group Art Unit: Unknown

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR § 1.97(b)**

MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR § 1.97(b), the references listed on the attached Form PTO-1449 (3 sheets, submitted in duplicate) are brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. This IDS is being before the mailing of a first office action on the merits. In accordance with 37 CFR § 1.97(b), no statement or fee is required.

Copies of the references cited are not enclosed, as allowed under 37 CFR § 1.98(d). Each item on the enclosed Form PTO-1449 was cited to, or cited by, the Office in United States Patent Application Serial No. 09/922,546, filed on August 3, 2001, in which priority to an earlier effective filing date is claimed under 35 U.S.C. § 120, in the present application.

Respectfully submitted,

DORSEY & WHITNEY LLP
Customer Number 25763

Date: November 10, 2003

By: Min S. Xu
Min (Amy) S. Xu (Reg. No. 39,536)
Intellectual Property Department
Suite 1500, 50 South Sixth Street
Minneapolis, MN 55402-1498
(612) 752-7367

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.
14316.06

APPLICATION NO.
Unknown

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use several sheets if necessary)

APPLICANT
Matthew P. Dugas

FILING DATE
Herewith

GROUP ART UNIT
Unknown

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Inventor Name	Class	Sub-class	Filing Date (if appropriate)
	3,699,334	10/1972	Cohen et al.			
	4,457,803	7/3/1984	Takigawa			December 8, 1982
	4,535,376	8/13/1985	Nomura et al.			March 15, 1982
	4,758,304	7/19/1988	McNeil et al.			March 20, 1987
	5,016,342	5/21/1991	Pisharody et al.			June 30, 1989
	5,035,787	7/30/1991	Parker et al.			December 18, 1989
	5,067,230	11/26/1991	Meunier et al.			June 21, 1990
	5,086,015	2/4/1992	Itoh et al.			August 15, 1989
	5,093,980	3/10/1992	Maurice et al.			June 15, 1992
	5,189,580	2/23/1993	Pisharody et al.			January 18, 1991
	5,211,734	5/18/1993	Yagami et al.			August 7, 1991
	5,301,418	4/12/1994	Dirne et al.			April 1, 1992
	5,402,295	3/28/1995	Suzuki et al.			June 3, 1992

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation
	0 913 813 A2	10/1998	EP			No
	59-008833	1/1984	JP			No
	60-07847	4/1985	JP			No
	61-151667	6/1986	JP			No
	61-291074	12/1986	JP			No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Document Description
	Hisatoshi, Hata, Patent Abstracts of Japan (Publication No. 06333210), February 12, 1994
	Yiqun, Li, et al. "Magnetic Properties and Crystal Structure of FeTaAlN Soft Magnetic Materials for MIG Head", (Abstract)
	Albrecht, Thomas et al. "Time-Based, Track-Following Servos for Linear tape Drives", Data Storage, Oct. 1997
	Monigle, William C. "FIBs Probe and Fix Semiconductor Problems", Test & Measurement World, May 1988

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 14316.06	APPLICATION NO. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary)		APPLICANT Matthew P. Dugas	
		FILING DATE Herewith	GROUP ART UNIT Unknown

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Inventor Name	Class	Sub-class	Filing Date (if appropriate)
	5,405,734	4/11/1995	Aita			March 24, 1993
	5,452,166	9/19/1995	Aylwin et al.			October 1, 1993
	5,567,333	10/26/1996	Hira et al.			June 22, 1994
	5,572,392	11/5/1996	Aboaf et al.			November 17, 1994
	5,639,509	6/17/1997	Schemmel			June 22, 1996
	5,652,015	7/29/1997	Aboaf et al.			July 25, 1996
	5,675,461	10/7/1997	Aylwin et al.			July 19, 1996
	5,677,011	10/14/1997	Hatakeyama et al.			August 2, 1996
	5,689,384	11/18/1997	Albrecht et al.			June 30, 1994
	5,715,597	2/10/1998	Aylwin et al.			August 14, 1995
	5,719,730	2/17/1998	Chang et al.			July 17, 1996
	5,726,841	3/10/1998	Tong et al.			June 11, 1996
	5,737,826	4/14/1998	Slade et al.			June 20, 1996
	5,751,526	5/12/1998	Schemmel			February 24, 1997
	5,752,309	5/19/1998	Partee et al.			June 14, 1996
	5,822,159	10/13/1998	Fukuyama et al.			April 4, 1997

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation
	02097659	4/1990	JP			No
	02288530	10/1990	JP			No
	03324223	12/1991	JP			No
	04091317	4/1992	JP			No
	06035569	3/1994	JP			No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Document Description
	McDermott, Michael, "Head Makers Discovery Focused Ion Beams", Data Storage, Mar. 1998

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 14316.06	APPLICATION NO. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary)		APPLICANT Matthew P. Dugass	
		FILING DATE Herewith	GROUP ART UNIT Unknown

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation
	06242827	10/1994	JP			No
	07187016	7/1995	JP			No
	9740493	10/1997	WO			No
						No
						No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial		Document Description

EXAMINER	DATE CONSIDERED
-----------------	------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary)		ATTY DOCKET NO. 14316.06	APPLICATION NO. Unknown
		APPLICANT Matthew P. Dugas	
		FILING DATE Herewith	GROUP ART UNIT Unknown

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Inventor Name	Class	Sub-class	Filing Date (if appropriate)
	3,699,334	10/1972	Cohen et al.			
	4,457,803	7/3/1984	Takigawa			December 8, 1982
	4,535,376	8/13/1985	Nomura et al.			March 15, 1982
	4,758,304	7/19/1988	McNeil et al.			March 20, 1987
	5,016,342	5/21/1991	Pisharody et al.			June 30, 1989
	5,035,787	7/30/1991	Parker et al.			December 18, 1989
	5,067,230	11/26/1991	Meunier et al.			June 21, 1990
	5,086,015	2/4/1992	Itoh et al.			August 15, 1989
	5,093,980	3/10/1992	Maurice et al.			June 15, 1992
	5,189,580	2/23/1993	Pisharody et al.			January 18, 1991
	5,211,734	5/18/1993	Yagami et al.			August 7, 1991
	5,301,418	4/12/1994	Dirne et al.			April 1, 1992
	5,402,295	3/28/1995	Suzuki et al.			June 3, 1992

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation
	0 913 813 A2	10/1998	EP			No
	59-008833	1/1984	JP			No
	60-07847	4/1985	JP			No
	61-151667	6/1986	JP			No
	61-291074	12/1986	JP			No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Document Description
	Hisatoshi, Hata, Patent Abstracts of Japan (Publication No. 06333210), February 12, 1994
	Yiqun, Li, et al. "Magnetic Properties and Crystal Structure of FeTaAIN Soft Magnetic Materials for MIG Head", (Abstract)
	Albrecht, Thomas et al. "Time-Based, Track-Following Servos for Linear tape Drives", Data Storage, Oct. 1997
	Monigle, William C. "FIBs Probe and Fix Semiconductor Problems", Test & Measurement World, May 1988

EXAMINER	DATE CONSIDERED
-----------------	------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 14316.06	APPLICATION NO. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary)		APPLICANT Matthew P. Dugas	
		FILING DATE Herewith	GROUP ART UNIT Unknown

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Inventor Name	Class	Sub-class	Filing Date (if appropriate)
	5,405,734	4/11/1995	Aita			March 24, 1993
	5,452,166	9/19/1995	Aylwin et al.			October 1, 1993
	5,567,333	10/26/1996	Hira et al.			June 22, 1994
	5,572,392	11/5/1996	Aboaf et al.			November 17, 1994
	5,639,509	6/17/1997	Schemmel			June 22, 1996
	5,652,015	7/29/1997	Aboaf et al.			July 25, 1996
	5,675,461	10/7/1997	Aylwin et al.			July 19, 1996
	5,677,011	10/14/1997	Hatakeyama et al.			August 2, 1996
	5,689,384	11/18/1997	Albrecht et al.			June 30, 1994
	5,715,597	2/10/1998	Aylwin et al.			August 14, 1995
	5,719,730	2/17/1998	Chang et al.			July 17, 1996
	5,726,841	3/10/1998	Tong et al.			June 11, 1996
	5,737,826	4/14/1998	Slade et al.			June 20, 1996
	5,751,526	5/12/1998	Schemmel			February 24, 1997
	5,752,309	5/19/1998	Partee et al.			June 14, 1996
	5,822,159	10/13/1998	Fukuyama et al.			April 4, 1997

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation
	02097659	4/1990	JP			No
	02288530	10/1990	JP			No
	03324223	12/1991	JP			No
	04091317	4/1992	JP			No
	06035569	3/1994	JP			No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Document Description
	McDermott, Michael, "Head Makers Discovery Focused Ion Beams", Data Storage, Mar. 1998

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 14316.06	APPLICATION NO. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary)		APPLICANT Matthew P. Dugass	
		FILING DATE Herewith	GROUP ART UNIT Unknown

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation
	06242827	10/1994	JP			No
	07187016	7/1995	JP			No
	9740493	10/1997	WO			No
						No
						No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Document Description

EXAMINER	DATE CONSIDERED
-----------------	------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.